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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/706,403	11/12/2003	Timothy Allen	81045186	6878	
28866	28866 7590 03/02/2005			EXAMINER	
	AN, SOBANSKI & TO	PANG, R	PANG, ROGER L		
ONE MARITIME PLAZA - FOURTH FLOOR 720 WATER STREET TOLEDO, OH 43604			ART UNIT	PAPER NUMBER	
			3681		
		DATE MAILED: 03/02/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

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	•	Application No.	Applicant(s)			
Office Antique Comment		10/706,403	ALLEN ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Roger L Pang	3681			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
Responsive to communication(s) filed on  2a) ☐ This action is FINAL.						
Dispositio	n of Claims					
4) ☐ Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) ☐ Claim(s) is/are allowed.  6) ☐ Claim(s) 1-20 is/are rejected.  7) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
<ul> <li>9) The specification is objected to by the Examiner.</li> <li>10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).</li> <li>11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.</li> </ul>						
Priority un	nder 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
2)  Notice 3)  Informa	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal P 6)  Other:				

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## **DETAILED ACTION**

The following action is in response to application 10/706,403 filed on November 12, 2003.

## **Drawings**

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the transmission body structure with valves, etc. (see claims 15-17) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 15-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 15, on line 6, "the transfer case" should be replaced with --the first transfer case-- in order to provide proper reference to the correct transfer case fluid passage.

#### Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Hayakawa '262. With regard to claim 1, Hayakawa teaches a transfer case for a four wheel drive vehicle comprising: an automatic transmission 10 with an output shaft 32; a planetary gear set 40 with a sun gear 44, a planet gear carrier and a ring gear 47; a first clutch C-3; a second clutch B-4; a primary output device 41; a secondary output device 42; and a third clutch C-4. With regard to claim 2, Hayakawa teaches the case, wherein the first clutch actuating and de-actuating by increasing and reducing hydraulic pressure, respectively (Fig. 2). With regard to claim 3, Hayakawa teaches the case, further a first hydraulic fluid passage having a first end operatively

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engaging the first clutch and a second end to operatively engage a hydraulic fluid passage in the transmission whereby the fluid pressure employed to engaged and disengage the first clutch is suppliable by the transmission (Fig. 7). With regard to claim 4, Hayakawa teaches the second clutch actuating and de-actuating by increasing and reducing hydraulic pressure, respectively (Fig. 2). With regard to claim 5, Hayakawa teaches the case, further a first hydraulic fluid passage having a first end operatively engaging the second clutch and a second end to operatively engage a hydraulic fluid passage in the transmission whereby the fluid pressure employed to engaged and disengage the second clutch is suppliable by the transmission (Fig. 7). With regard to claim 6, Hayakawa teaches the third clutch actuating and de-actuating by increasing and reducing hydraulic pressure, respectively (Fig. 2). With regard to claim 7, Hayakawa teaches the case, further a first hydraulic fluid passage having a first end operatively engaging the third clutch and a second end to operatively engage a hydraulic fluid passage in the transmission whereby the fluid pressure employed to engaged and disengage the third clutch is suppliable by the transmission (Fig. 7). With regard to claim 8, see rejections of claims 2, 4 and 6. With regard to claim 9, see rejections of claims 3, 5, and 7. With regard to claim 10, Hayakawa teaches the case, wherein the first clutch C-3 is a high range clutch. With regard to claim 11. Hayakawa teaches the case, wherein the second clutch B-4 is a low range clutch. With regard to claim 12, see rejections of claims 1 and 10. With regard to claim 13, see rejections of claims 3, 5, and 7. With regard to claim 14, see rejection of claim 1. With regard to claim 15, Hayakawa teaches the drivetrain, wherein the transfer case includes a first transfer case fluid passage having a first end operatively engaging the first clutch and a second end, and the transmission further includes a valve body with at least three control valves, and the first end of a Art Unit: 3681

first transmission fluid passage is in communication with a first one of the at least three control valves and the second end in fluid communication with the second end of the first transfer case fluid passage, whereby the hydraulic fluid pressure selectively employed to engage and disengage the first clutch is supplied by the first one of the at least three control valves in the transmission (Fig. 7; Fig. 4). With regard to claim 16, Hayakawa teaches the drivetrain, wherein the transfer case includes a second transfer case fluid passage having a first end operatively engaging the second clutch and a second end, and the first end of a second transmission fluid passage is in communication with a second one of the at least three control valves and the second end in fluid communication with the second end of the second transfer case fluid passage, whereby the hydraulic fluid pressure selectively employed to engage and disengage the second clutch is supplied by the second one of the at least three control valves in the transmission (Fig. 7; Fig. 4). With regard to claim 17, Hayakawa teaches the drivetrain, wherein the transfer case includes a third transfer case fluid passage having a first end operatively engaging the third clutch and a second end, and the first end of a first transmission fluid passage is in communication with a third one of the at least three control valves and the second end in fluid communication with the second end of the third transfer case fluid passage, whereby the hydraulic fluid pressure selectively employed to engage and disengage the third clutch is supplied by the third one of the at least three control valves in the transmission (Fig. 7; Fig. 4). With regard to claim 18, see rejections of claims 2, 4 and 6. With regard to claim 19, see rejections of claims 2, 4, and 6. With regard to claim 20, Hayakawa teaches the drivetrain, wherein the transmission 10 includes three planetary gear sets Po/P1/P2 for selectively transmitting torque form the transmission input to the transmission output.

#### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Eastman, Kobayashi, Pritchard, Steinmetz, Brown, Frost, Bowen, and Yu have been cited to show similar transmissions.

#### **FACSIMILE TRANSMISSION**

Submission of your response by facsimile transmission is encouraged. Group 3600's facsimile number is (703) 305-3597. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see MPEP 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee which applicant is paying by check should not be submitting by facsimile transmission separately from the check.

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(Signature)

Responses submitted by facsimile transmission should include a Certificate of Transmission (MPEP 512). The following is an example of the format the certification might take:

I hereby certify that this correspondence is bei	ng facsimile transmitted to the Patent and
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Typed or printed name of person signing this	certificate:

If your response is submitted by facsimile transmission, you are hereby reminded that the original should be retained as evidence of authenticity (37 CFR 1.4 and MPEP 502.02). Please do not separately mail the original or another copy unless required by the Patent and Trademark Office. Submission of the original response or a follow-up copy of the response after your response has been transmitted by facsimile will only cause further unnecessary delays in the processing of your application; duplicate responses where fees are charged to a deposit account may result in those fees being charged twice.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roger L Pang whose telephone number is 703-305-0445 (571-272-7095 post April 7th). The examiner can normally be reached on 5:30am to 4:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 703-308-0830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Roger L Pang Patent Examiner Art Unit 3681

February 23, 2005